

Impariamo

"A NEWSLETTER FOR THE INTELLIGENCE COMMUNITY CENTERS FOR ACADEMIC EXCELLENCE"



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National Security Analysis and Intelligence Summer Seminar (NSAISS)

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Pennsylvania State University Intelligence Community Centers for Academic Excellence (IC CAE) program will lead the 2017 simulation exercise for the National Security Analysis and Intelligence Summer Seminar and Simulation. Two sessions will be held in the Washington DC area. The first will take place from June 4 through 16; the second from July 31 to August 11, 2017. Participating IC CAE students will have the opportunity to enhance a variety of skills such as writing, briefing, researching, analyzing, evaluating data, as well as leadership and organizational skills. The goal of this training is to promote the application of these skills in the field of intelligence analysis in preparation for future employment in the IC. We look forward to amazing results. Congratulations!

PENNSSTATE®



Calendar of Events

- **NSAISS Summer Seminar Dates:**
 - June 6-16 2017
 - July 31-Aug 11, 2017
- **IC CAE Summer Internship Program (SIP) Ceremony**
 - June 23, 2017

PROGRAM DIRECTOR



**Noemi Pizarro–
Hyman**
IC CAE
Program Director

Greetings, from the entire IC CAE team. I am excited to be an intricate part of the Team that will continue to lead this program as part of our mission imperative. I have seen first hand what many of the IC CAE schools are doing to sharpen the skills of our future diverse workforce.

As we successfully move to close another performance year, we are looking forward to the annual National Security Analysis and Intelligence Summer Seminars and Simulations (NSAISSS). Activities performed at the NSAISSS will give us the opportunity to impact the professional growth of 80 students from 23 universities. Our expectation is that these will become ambassadors at their respective campus to carry this important message. To those who are graduating this spring, we say congratulations on your milestone! We trust that you will seek full-time employment opportunities in the IC. If you are still in school, we highly encourage you to seek internship opportunities in the Community; these will be opening later this summer for 2018.

Remember, if you have an interesting story to share about your internship experience, an IC CAE event, or a reflection from a visit to an IC agency, please do not hesitate to submit it .

Thank you and good luck to all!



Florida International University's (FIU) Jack D. Gordon Institute IC-CAE program achieved several milestones during the 2017 Spring Semester. On February 22, 2017, the Central Intelligence Agency (CIA) designated FIU as a CIA Signature School thus making FIU only the second institution in the Nation to hold this honor. On March 9, 2017, the Gordon Institute hosted over 340 attendees their Annual Hemispheric Security Conference. The conference theme was "Security in the Changing Geopolitical Landscape." On March 12, 2017, 25 students flew to Washington, D.C. to participate in a week-long FIU IC-CAE Intelligence Fellowship IC career exploration trip. The program included visits to six intelligence agencies, two think-tanks, and a meeting with Congresswoman Ileana Ros-Lehtinen. But the most impressive milestone was the inception of the IC-CAE Intelligence Fellowship in the Fall of 2016. A total of nine Fellows were extended conditional job offers and/or internship by DHS, DIA, Department of State, FBI, NCTC, and NSA.

Below we share the Amanda G. a FIU IC-CAE Fellow, on the IC career exploration trip.

"FIU's IC-CAE Intelligence Fellowship spring break trip to Washington, D.C. provided me with the opportunity to apply the knowledge I learned through the IC-CAE Fellowship Program. During the trip, we met senior executives, hiring and internship managers, and even several FIU alum while visiting CIA, NCTC, NSA, ODNI, and Treasury-OIA. I enjoyed the unique opportunity to network with current members of the IC and ask questions about their experiences and careers within the community, even finding a few whose lives before joining the IC resonated with my own.

The trip compelled us to apply the skills we acquired through our coursework and professional development. As part of this effort, I and five of my peers briefed members of the IC, including CIA's Deputy Director for Talent Acquisition and NSA's Director of Intelligence Analysis Skill Community. Similar to briefings in the IC, we only had a week's notice to prepare our Fellowship research briefs which condensed six months' worth of research into a ten minute presentation. Thankfully, our coursework, brief-

ing workshops, specialized research requirements, and the support of our mentors allowed us to successfully execute an IC style briefing. While this was not my first briefing, it was easily the most memorable. The conditions and the setting allowed me to view my work as intelligence product and myself as an analyst.

As a student of national security with aspirations of joining the intelligence community, visiting D.C. and interacting with different IC components led to several revelations. First, becoming a member of the IC is an attainable goal and there are many paths to achieving it. Second, FIU's IC-CAE coursework prepared us with the basic analytic techniques needed to succeed in the IC. Third, it reaffirmed the decision to take on the extra rigor associated with FIU's IC-CAE Intelligence Fellowship." Thank you, Amanda, for sharing your story!



FIU IC-CAE Intelligence Fellows presenting their research in Washington, D.C.



Healthcare Student Knowledge and Willingness to Work in Infectious Disease Outbreaks

Rima Patel and Kapil Wattamwar
4th Year Medical Students
Rutgers Robert Wood Johnson Medical School

Leadership of the US Intelligence Community have characterized biological threats as one of the greatest dangers to U.S. safety and security. Situational awareness and understanding are critical underpinnings of threat intelligence and crucial to the development of meaningful guidance for leadership decision-makers. Responders' willingness to adhere to their work roles in times of active biological threat is a vitally important determinant of capability and capacity to respond effectively and efficiently, and to optimally manage human resources to save lives and minimize harm.

In an effort to understand better the perceptions, perspectives, and attitudes of the future healthcare workforce, a team of seven medical students at Rutgers Robert Wood Johnson Medical School who participate in the programs of the Rutgers Institute for Emergency Preparedness and Homeland Security's (IEPHS) Intelligence Community Center for Academic Excellence (IC CAE), designed and executed a research project under the guidance of Clifton R. Lacy, M.D., Professor, Institute Director, and Rutgers IC CAE Principal Investigator.

The project entitled "*Healthcare Student Knowledge and Willingness to Work in Infectious Disease Outbreaks*", investigated healthcare students' attitudes towards infectious disease outbreaks. Motivated by the recent Ebola virus disease epidemic, the team found that, despite extensive literature on factors influencing the willingness of healthcare workers to work during disease outbreaks, the perspective of the future workforce—healthcare students—was largely unexplored.

After receiving Institutional Review Board (IRB) approval, the team, co-led by Rima Patel, MS-IV and Kapil Wattamwar, MS-IV, surveyed 631 Rutgers University medical, nursing, and pharmacy students to evaluate their willingness to work in various disaster scenarios and their knowledge of Ebola virus disease (EVD) and Middle East Respiratory Syndrome (MERS).

The student research team's analysis demonstrated that, while medical students were more fearful for their health than nursing and pharmacy students, they were the most knowledgeable about EVD and MERS disease outbreaks. As a result, medical students were the most willing to work during an epidemic, especially if personal protective equipment were provided. Pharmacy students were the least willing to work. Nursing students demonstrated willingness results between medical and pharmacy students.

The researchers concluded that disease-related knowledge correlates with willingness to work and recognized that curriculum guidelines in these disciplines lack an adequate emphasis on disaster preparedness. These findings call for greater attention to disaster education in healthcare curricula in order to ultimately improve willingness to work among healthcare workers.

The student researchers presented their findings at the scientific sessions of the 2016 Annual Meeting of the Association of American Medical Colleges. The research has been accepted for publication in the peer-reviewed journal *Disaster Medicine and Public Health Preparedness*.



10 years of Excellence - Norfolk State Universities IC-CAE High School Program

Every summer for the past ten years, the Intelligence Community Centers for Academic Excellence (IC CAE) at Norfolk State University has hosted a high school program to share information about careers in the IC with participants. Information included careers in the intelligence community, the importance of the Web in changing times, first-hand experience in research conducted under the direction of a research scientist, and exposure to a number of structured activities including field trips,



High School Students with Dr. Okpodu (4th from the left).

workshops, and laboratory demonstrations. In addition, participants received instruction in career development, technical and scientific writing, public speaking, and exposure to the Arabic language. Every year, an Intelligence Analyst has engaged the students and encouraged them to learn critical language skills, given the language skills sought by the IC.

Students were asked to work collaboratively and research a particular disease or topic germane to biosecurity. Every year students give final oral presentations, as part of a closing ceremony. They worked on projects such as water quality, aquifers,

Pakistan nuclear energy and the availability of water in the Middle East, China and Japan. One of the highlights was an essay on the topic of cyber-bullying. The reading of the essay was followed by an informal discussion on the topic, where students got to share their own experience on the topic. Students also learned of some of the laws and consequences of engaging in cyber-bullying.

Although the high school project has ended, this summer the NSU IC-CAE will focus on moving toward a systems approach to understanding and developing a cross-site multiple drivers survey designed to understand climate change, sea-level rise,

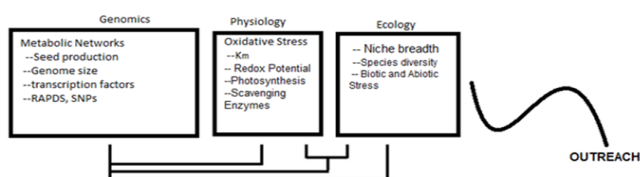


Figure 1. Dr. C.M. Okpodu's Research Interest. "Understanding Plant Stress" via a Systems Approach to Correlate Genome features to Physiological and/or Ecological Mechanisms.

and coastal flooding in an African-American Community in Portsmouth. Figure 1 shows the structure of the research effort.

Climate change has been estimated to be a potential \$120 billion threat to the economy of the United

States via the loss of plant productivity due to rising CO₂ levels and an increase in ambient temperatures and soil salinity. U.S. vegetable production is a \$12 billion industry, with processing vegetables, including common beans, contributing to \$2 billion of the total farm-gate value. According to Algernon Austin, former director of the Economic Policy Institute's Program on Race, Ethnicity, and the Economy, Hispanics and African-Americans may not be the most visible advocates for addressing climate change."

Norfolk State University (cont'd)

During the summer of 2017, Dr. Camellia Moses Okpodu, Director of the IC CAE Program at NSU, will continue the research effort established in collaboration with the synergistic work completed by both the NSU's IC-CAE and the Group for Microgravity and Environmental Biology (GMEB). The research, first established with The Virginia Coast Reserve Long-term Ecological Research Center, is an interdisciplinary research program designed to address ecosystem coastal dynamics in response to the long-term drivers of environmental change at the University of Virginia. Now, the Old Dominion University, via a Virginia Sea-Grant Project to examine coastal resilience for communities in Portsmouth, Virginia, has joined the research.



Figure 2 - Poster presented at the Spring 2017, Annual Undergraduate Research Symposium at Norfolk State University, Norfolk, VA (Marh 23, 2017).

Naomi Colton (a current undergraduate research student) presented a poster (**Figure 2**) on the topic at the 2017 Spring Research Symposia at NSU. Naomi will work as part of Dr. Okpodu's research team, as they explore the creation of a questionnaire that will be used to gather baseline data on the attitudes of minorities in the Hampton Roads area as it relates to Coastal Resilience and Sea-Level Rise.

In November 2015, then Secretary of State John Kerry made the following observation:

"Climate change has a direct impact on military readiness," he said, in reference to Naval Station Norfolk being on land threatened by sea level rise. "You don't have to wait until you're 100 percent certain of an imminent threat to take action."

This statement focused on the military specifically and not the larger community in general and not the minority residents of the Hampton Roads area, specifically. This summer we will have a better understanding how minority residents viewed this topic. We will also be able to provide our findings with various local stakeholders, especially when developing evacuation plan.





Building Future Relationships

CSU San Bernardino, National Security Studies Program

Written by Stanislav E., Regina G., and Audrey H.

The California State University IC CAE Consortium, housed in CSU San Bernardino, provides its students with an assortment of opportunities, preparing them for future employment in the Intelligence Community (IC). Due to these opportunities, Consortium students have gained employment with a variety of IC agencies. In the past year, 32 students received conditional offers of employment (COE) from 12 IC and law enforcement agencies. Additionally, 17 were hired from these same agencies; however, the exact number of hires and COEs remains hard to pinpoint, due to the nature of work in the IC.

The geographic area represented by participants is approximately 5,000 square miles, based only on campus locations; roughly equivalent to the D.C. Metro Area. CSUSB alone services San Bernardino and Riverside counties, which covers 27,000 square miles—a territory larger than 10 states in the nation.

The Consortium is highly diverse. The CSU Consortium members are federally designated as Hispanic Serving Institutions. As of 2016, CSUSB's demographics reflect that diversity: 57% are Hispanic, 6% are African American, 5.7% are Asian/Pacific Islanders, and 2% Native American. The majority of students are women (60%).

This year, CSU held their 11th annual Colloquium, with 216 registrants of faculty and students from over a dozen universities and colleges, and more than 20 representatives from 13 agencies. A student team from the Winter seminar on Strategic Intelligence briefed the audience on its assessment of the likelihood of a cyber terror attack against the U.S. this year. Later, a panel of IC representatives briefed students on careers in their agencies and fielded questions about the security clearance process. For the remainder of the afternoon, students had opportunities to interact individually with agency reps.

Throughout the school year, workshops are held with representatives from IC agencies. These workshops provide a forum for representative and student interaction. At some workshops, representatives share their experiences, explain the different cultures within the IC, and cite opportunities their agency provides for students and recent graduates. Other workshops allow students to present their research and receive feedback from agency representatives.

Prior to the Colloquium, two representatives from a large agency within the Department of Defense received the student team assessment on the cyber-attack. Agency representatives provided these students with solid, professional feedback on their presentations, and suggestions for improvement. They also discussed their agency's career opportunities with the assembled students. One of the agency representatives noted that in the last three years alone, CSUSB had 150 students in the pipeline for their agency.

The IC CAE program is continuing to grow strong!

DID YOU KNOW THAT JSU HAS A CYBER SECURITIES PROGRAM? **SPOTLIGHT!**

Jackson State University (JSU) and the **University of Mississippi (UM)** have collaborated to create a partnership called the UM/JSU Intelligence Consortium. This Consortium seeks to enrich and expand their intelligence and cyber security programs; provide intelligence related education across the university; develop a southern university consortium that brings together intelligence programs and scholars; enhance and expand faculty research; provide students with study abroad opportunities; and expose high school students to various security issues and tools through hands-on activities and research projects.

The Consortium's Goals include the following:

- Opportunities for joint education research
- Development of intelligence specific coursework and modifications or enhancements to current intelligence and cyber security related coursework at each institution
- Funded student research and study abroad in countries relevant to national security
- High School outreach programs for minority and underserved students

<https://sites.google.com/a/jsu.edu/jsu--intelligence-community-centers-for-academic-excellence-ic-cae/>





The National Security Studies Institute – [An Intelligence Community Center for Academic Excellence \(IC CAE\)](#) is dedicated to the concept of advancing intelligence and security education for the purpose of providing the next generation of IC officers in support of national security. The National Security Studies Institute prepares students academically and professionally for the challenges of the current cyber era characterized by increasing speed, complexity, and uncertainty and requiring a deeper understanding of the nexus between culture, technology, and conflict. The Institute aims to educate our students to be as innovative and adaptable as are the constantly evolving security challenges that currently face our nation and allies. The Institute provides creative learning experiences that balance both theory and practice. We are a full spectrum educational enterprise comprising synergistic undergraduate, graduate, and research components, and embrace cultural awareness and strategic language proficiency.

The Institute hosted its annual colloquium on March 23-24, 2017, in the Rubin Center Auditorium on the University of Texas at El Paso campus. The event brought together a distinguished set of scholars and practitioners from five countries to discuss and debate the challenges and opportunities of conducting intelligence research in a post-September 11th world.

On March 23, 2017, a session on *"Interdisciplinary Perspectives on Intelligence Research"* was held. Dr. Mark Phythian, University of Leicester and a Leading Intelligence Scholar, opened the colloquium with a keynote address followed by panels that explored how history, decision sciences, and other disciplines contributed to intelligence research. A panel discussions on the sources of data for intelligence studies was also part of the address.

On March 24, 2017, a session on *"Translating Research for Policy and Practice"* was held. Dr. William Inboden, Executive Director of the Clements Center for National Security, University of Texas at Austin, delivered the keynote address. Panels examined the gap between academia and the world of intelligence and showcase exemplary interdisciplinary student research in security and intelligence.

Great job UTEP, keep up the excellent work!



Reminders & New Staff

A few reminders for the Principal Investigators and Financial Managers!

- End-Of-Spring-Semester Performance Reporting are due. Information submitted must include:
 - Number of students participating in your CAE project since last performance reporting.
 - Number of students who received final job offers into IC agencies since the inception of your IC CAE grant.
 - Number of conditional job offers were received by students since last performance Report.
 - Number of internships students were selected for since last performance report.
- Quarterly Federal Finance Report are due

We also would like to give a warm welcome to our new IC CAE Program Director, Ms. Noemi Pizarro-Hyman and Mr. John Gates! The knowledge they bring to the program has been well received and appreciated!

*The **Impariamo** (“Let’s Learn”) is a quarterly newsletter for and by the IC CAE Community. Please send any article concepts or exciting news to IC-CAE_Impariamo@dodiis.mil*

Personal letter from Lt. Gen. Vincent R. Stewart



DEFENSE INTELLIGENCE AGENCY
WASHINGTON, D.C. 20340-5100



Greetings!

I welcome each of you to the 2017 National Security Analysis and Intelligence Summer Seminar Program and congratulate each of you on your selection to participate in this year's seminar.

The first week of the seminar will give you an opportunity to better understand the Intelligence Community (IC). This program consists of a series of courses facilitated by subject matter experts from the Community. In this seminar, you will also have opportunities to visit other agencies. This time will also allow you to establish and strengthen networks with your peers and other stakeholders.

During the second week, you will showcase your talents in the areas of critical thinking, regional knowledge, and oral and writing skills. More importantly, you will practice your skills by participating in an intelligence simulation exercise. Please take full advantage of these opportunities; you are the future of the IC.

I wish you much success in your future endeavors and challenge you to make the IC your employer of choice!

Sincerely,

VINCENT R. STEWART
Lieutenant General, USMC
Director